a ring pipe, wherein the tube packets [coming] come into contact with water via [a] the ring pipe and the steam [being] removed via [a] the ring pipe, wherein the ring pipe is mounted as a collector or chamber [(9, 10) directly] on the reactor wall [(4)].

2. (Amended) A [process] fluidized-bed reactor as claimed in claim 1, wherein the distribution or collecting chamber [(9, 10)] is mounted internally on the reactor wall [(4)].

3. (Amended) The [process] fluidized-bed reactor as claimed in claim 1 [or 2], wherein the distribution or collecting chamber [(9a, 10a)] is mounted externally on the reactor wall.

4. (Amended) The [process] fluidized-bed reactor as claimed in [any of the preceding claims] claim 1, wherein the distribution or collecting chamber [(9b, 10b)] is mounted both internally and externally on the reactor wall.

5. (Amended) The [process] fluidized-bed reactor as claimed in [any of the preceding claims] claim 1, wherein the chamber [(9, 10)] is essentially rectangular in cross-section [(Fig. 3, Fig. 5)].

6. (Amended) The [process] fluidized-bed reactor as claimed in [any of the preceding claims] claim 1, wherein the chamber [(9a)] is essentially semicircular in cross-section [(Fig. 4, Fig. 7)].

7. (Amended) The [process] fluidized-bed reactor as claimed in [any of the preceding claims] claim 1, wherein the chamber [(9, 10)] is essentially circular in cross-section, wherein one half of the circular shape [being] is coordinated with the interior of the reactor [(4)] and the other half with the exterior of the reactor [(Fig. 6, Fig. 8)].

8. (Amended) The [process] fluidized-bed reactor as claimed [in any of the preceding] claims claim 1, further comprising, [wherein the] holes [(13)] for connecting the pipelines [(7, 8)

are] said holes being in the form of throttle holes for defining a desired pressure loss and hence for ensuring uniform flows over the various tube packets.

--9. (New) A process for the oxychlorination of ethylene, oxygen and HC1, said reactor providing the steps of:

providing a fluidized bed reactor;

providing a heat exchanger, including a plurality of tube packets, in the fluidized bed for releasing heat evolved from exothermic reaction to a heat-transfer medium in the tube packets, in particular to water/steam; and

causing the tube packets to come into contact with water via a ring pipe; steam via a ring pipe, wherein the ring pipe is mounted as a collector or chamber on the reactor wall.

10. (New) The process as claimed in claim 9, wherein the distribution or collecting chamber [(9, 10)] is mounted internally on the reactor wall.

11. (New) The process as claimed in claim 9, wherein the distribution or collecting chamber is mounted externally on the reactor wall.

12. (New) The process as claimed in claim 9, wherein the distribution or collecting chamber is mounted both internally and externally on the reactor wall.

13. (New) The process as claimed in claim 9, wherein the chamber is essentially rectangular in cross-section.

14. (New) The process as claimed in claim 9, wherein the chamber is essentially semicircular in cross-section.

15. (New) The process as claimed in claim 9, wherein the chamber is essentially circular in cross-section, wherein one half of the circular shape is coordinated with the interior of the reactor and the other half with the exterior of the reactor.